

Amendments to the Claims

The following listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Previously Presented) A method of configuring a motor controller with an external device, comprising:

providing the motor controller to include solid state switches for controlling application of power to the motor, and a control circuit for controlling operation of the solid state switches, the control circuit comprising a programmed processor for commanding operation of the solid state switches, and a memory connected to the programmed processor for storing parameters relating to operation of the solid state switches;

providing the external device to include a memory for storing parameters relating to operation of the solid state switches;

establishing communications between the programmed processor and the external device;

uploading a configuration database file from the controller memory to the external device memory, the configuration database file comprising a plurality of the stored parameters relating to operation of the solid state switches; and

subsequently downloading the uploaded configuration database file from the external device memory to the controller memory.

2. (Previously Presented) The method of configuring a motor controller with an external device of claim 1 further comprising entering parameters relating to operation of the solid state switches into the external device memory to define a second configuration database file.

Claims 3-5. (Cancelled)

6. (Previously Presented) The method of configuring a motor controller with an external device of claim 1 further comprising printing a listing of the uploaded configuration database file.

7. (Original) The method of configuring a motor controller with an external device of claim 1 further comprising storing a plurality of pre-configured database files in the external device memory.

8. (Cancelled)

9. (Original) The method of configuring a motor controller with an external device of claim 1 wherein establishing communications between the programmed processor and the external device comprises providing an infrared communication path between the programmed processor and the external device.

10. (Original) The method of configuring a motor controller with an external device of claim 1 wherein establishing communications between the programmed processor and the external device comprises providing a wired communication path between the programmed processor and the external device.

11. (Previously Presented) An externally configurable motor controller system, comprising:

a motor controller including solid state switches for controlling application of power to a motor, and a control circuit for controlling operation of the solid state switches, the control circuit comprising a programmed processor for commanding operation of the solid state switches, and a memory connected to the programmed processor storing parameters relating to operation of the solid state switches, and an interface circuit operatively connected to the programmed processor;

an external configuration device including a memory for storing parameters relating to operation of the solid state switches and an interface for communication with the motor controller; and

means operatively associated with the programmed processor and the external configuration device for uploading a configuration database file from the controller memory to the external device memory, and for subsequently downloading the uploaded configuration database file from the external device memory to the controller memory, the configuration database file comprising a plurality of the stored parameters relating to operation of the solid state switches.

Claims 12-15. (Cancelled)

16. (Previously Presented) The externally configurable motor controller system of claim 11 further comprising a printer operatively associated with the external device for printing a listing of the uploaded configuration database file.

17. (Original) The externally configurable motor controller system of claim 11 wherein the external device memory stores a plurality of pre-configured database files.

18. (Cancelled)

19. (Original) The externally configurable motor controller system of claim 11 further comprising an infrared communication path between the programmed processor and the external device.

20. (Original) The externally configurable motor controller system of claim 11 further comprising a wired communication path between the programmed processor and the external device.

21. (Previously Presented) An externally configurable soft starter system, comprising:
a motor controller including solid state switches for controlling application of power to a motor, and a control circuit for controlling operation of the solid state

switches, the control circuit comprising a programmed processor for commanding operation of the solid state switches, and a memory connected to the programmed processor storing parameters relating to operation of the solid state switches, and an interface circuit operatively connected to the programmed processor;

an external configuration device including a memory for storing parameters relating to operation of the solid state switches and an interface for communication with the motor controller; and

a configuration program operatively implemented in the programmed processor and the external configuration device for uploading a configuration database file from the controller memory to the external device memory, and for subsequently downloading the uploaded configuration database file from the external device memory to the controller memory, the configuration database file comprising a plurality of the stored parameters relating to operation of the solid state switches.

Claims 22-25. (Cancelled)

26. (Original) The externally configurable soft starter system of claim 21 wherein the external device memory stores a plurality of pre-configured database files.

27. (Cancelled)

28. (Previously Presented) The method of configuring a motor controller with an external device of claim 1, further comprising:

uploading the configuration database file to the external device memory prior to servicing the motor controller; and

downloading the uploaded configuration database file to the controller memory after servicing the motor controller.

29-34. (Withdrawn).